

Amendments to Claims

Claims 1-30 (canceled)

Claim 31. (new) An isolated polynucleotide comprising:

(a) a nucleotide sequence encoding a polypeptide having the activity of cysteinyl-tRNA synthetase, wherein the amino acid sequence of the polypeptide and the amino acid sequence of SEQ ID NO:10, SEQ ID NO:12, or SEQ ID NO:14 have at least 80% identity based on the Clustal alignment method, or

(b) the complement of the nucleotide sequence.

Claim 32. (new) The polynucleotide of claim 31, wherein the amino acid sequence of the polypeptide and the amino acid sequence of SEQ ID NO:10, SEQ ID NO:12, or SEQ ID NO:14 have at least 85% identity based on the Clustal alignment method.

Claim 33. (new) The polynucleotide of claim 31, wherein the amino acid sequence of the polypeptide and the amino acid sequence of SEQ ID NO:10, SEQ ID NO:12, or SEQ ID NO:14 have at least 90% identity based on the Clustal alignment method.

Claim 34. (new) The polynucleotide of claim 31, wherein the amino acid sequence of the polypeptide and the amino acid sequence of SEQ ID NO:10, SEQ ID NO:12, or SEQ ID NO:14 have at least 95% identity based on the Clustal alignment method.

Claim 35. (new) The polynucleotide of claim 31, wherein the nucleotide sequence comprises the nucleotide sequence of SEQ ID NO:9, SEQ ID NO:11, or SEQ ID NO:13.

Claim 36. (new) The polynucleotide of claim 31, wherein the polypeptide comprises the amino acid sequence of SEQ ID NO:10, SEQ ID NO:12, or SEQ ID NO:14.

Claim 37. (new) A chimeric gene comprising the polynucleotide of claim 31 operably linked to a regulatory sequence.

Claim 38. (new) An isolated polynucleotide containing 30 nucleotides, wherein the nucleotide sequence containing 30 nucleotides is comprised by the polynucleotide of claim 31.

Claim 39. (new) A method for transforming a cell comprising transforming a cell with the polynucleotide of claim 31.

Claim 40. (new) A cell comprising the chimeric gene of claim 37.

Claim 41. (new) A method for producing a plant comprising transforming a plant cell with the polynucleotide of claim 31 and regenerating a plant from the transformed plant cell.

Claim 42. (new) A plant comprising the chimeric gene of claim 37.

Claim 43. (new) A seed comprising the chimeric gene of claim 37.